

Product datasheet for **SC126811**

PTBP2 (NM_021190) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTBP2 (NM_021190) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTBP2
Synonyms:	brPTB; nPTB; PTBLP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC126811 sequence for NM_021190 edited (data generated by NextGen Sequencing)

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ATGGACGGAATCGTCACTGAGGTTGCAGTTGGCGTGAAGAGAGGATCTGACGAACTACTC
TCAGGCAGTGTCTCAGTAGTCCGAACTAATATGAGCAGCATGGTAGTTACAGCCAAT
GGTAATGATAGTAAAAATTTAAAGGAGAAGATAAAATGGATGGTCTCCTTCTCGTGTA
CTTCATATTCGAAAATTACCTGGGGAAGTAACAGAACTGAAGTATTGCTTTAGGCTTA
CCTTTTGGTAAGGTGACCAACATCCTTATGCTGAAAGGAAAAAATCAGGCATTTTTGGAA
CTAGCAACCGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCAT
CTTCGTAACCAACCAATATATATCCAGTACTCGAATCACAAAGAACTAAAGACAGATAAT
ACATTAACCAACGTGCTCAGGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAAT
ACTCCTCTTAGTGGCACCACAGTTAGCGAGAGTGCAGTGACTCCAGCCCAGAGTCCAGTA
CTTAGAATAATTATTGACAACATGTAACCTGTAACACTTGATGTTCTTACCAAATA
TTTTCTAAGTTTGGTGTGATTGAAGATAATCACATTTACAAAAATAACCAGTTTCAA
GCTTTGCTCCAGTATGGTATCCAGTAAATGCTCAACAAGCAAACCTAGCCCTAGATGGT
CAGAATATTTATAATGCCTGCTGTACCCTAAGGATTGATTTTTCCAACTTGGAATTTG
AATGTAATAACAAATGATAAAAGTAGGGATTATACTCGACCTGATCTTCCATCTGGG
GATGGACAACCTGCATTGGACCCAGCTATTGCTGCAGCATTGGCCAAGGAGACATCCCTC
TTAGCTGTTCCAGGAGCTCTGAGTCTTTGGCCATTCAAATGCTGCTGCAGCAGCTGCT
GCAGCTGCTGCTGGCCGAGTGGGTATGCCTGGAGTCTCAGCTGGTGGCAATACAGTCTG
TTGGTTAGCAATTTAAATGAAGAGATGGTTACGCCCAAAGTCTGTTTACCCTCTCGGT
GTTTATGGAGATGTGCAGCGTGAAGATTTTATACAATAAGAAAGACAGCGCTAATA
CAGATGGCTGATGAAACCAATCACAACCTGCCATGAATCATCTTAATGGACAGAAAATG
TATGGAAAAATTTATTCGTGTTACTCTGTCTAAACATCAGACTGTACAGCTACCTCGAGAG
GGACTTGATGATCAAGGGCTAACAAAAGATTTTGGTAATTCCCCATTGCATCGTTTTAAG
AAACCTGGATCCAAAAATTTTCAAACATTTTTCTCCTTCTGCCACCCTTCACCTATCT
AATATCCCTCCATCAGTAGCAGAAGAGGATCTACGAACACTGTTGCTAACACTGGGGGC
ACTGTGAAAGCATTTAAGTTTTTCAAGATCACAAAATGGCTCTTCTTCCAGATGGCAACA
GTGGAAGAAGCTATTCAGGCCTTGATTGATCTTCATAATTATAACCTGGAGAAAACCAT
CATCTGAGAGTGTCTTTCCAAGTCAACAATTTAA
    
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Clone variation with respect to NM_021190.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_021190 unedited
TTGTAATACGACTCACTTATAGGGCGGCCGCGATTTCGGCACGAGGTCCGGTTCGGCAATG
GACGGAATCGTCACTGAGGTTGCAGTTGGCGTGAAGAGAGGATCTGACGAACTACTCTCA
GGCAGTGTCTCAGTAGTCCGAACTAATATGAGCAGCATGGTAGTTACAGCCAATGGT
AATGATAGTAAAAATTTAAAGGAGAAGATAAAATGGATGGTCTCCTTCTCGTGTACTT
CATATTCGAAAATTACCTGGGGAAGTAACAGAACTGAAGTTATTGCTTTAGGCTTACCT
TTTTGGTAAGGTGACCAACATCCTTATGCTGAAAGGAAAAAATCAGGCATTTTTGGAAC
TAAACCGAGGAAGCAGCTATTACTATGGTTAATTACTATTCTGCTGTGACACCTCATCTT
CGTAACCAACCAATATATATCCAGTACTCGAATCACAAAGAACTAAAGACAGATAATACA
TTAAACCAACGTGCTCAGGCAGTTCTTCAAGCTGTGACAGCTGTCCAGACAGCAAATACT
CCTCTTAGTGGCACCACAGTTAGCGAGAGTGCAGTGACTCCAGCCCAGAGTCCAGTACTT
AGAATAATTATTGACAACATGTAACCTGTAACACTTGATGTTCTTACCAAATATTT
TCTAAGTTTGGTGTGATTGAAGATAATCACATTTACAAAAATAACCAGTTTCAAGCT
TTGCTCCAGTATGGGTGATCCAGTAAATGCTCAACAAGCAAACCTAGCCCTAGATGGTCA
GAATATTTATAATGCCTGCTGTACCCTAAGGATTGATTTTTCCAACTTGTAATTTGA
TGTAATAACCAATGATAAGTAGGGATATACTCGACCTGATCTTCTCTGGGGATGGA
CACCTGCATTGGACCACT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_021190 unedited GGTTTACTTCCGGCCGCAAGGCCTGGCAAGGGTGAGATTAGTACTGGCTTTCGCACCGTG GGCGAGAGAATAAACATGAATTGGGAAGCCGGTGGAGGGAAAACAATAAGAGGAGAGAG AAAAGGCGTGC AAAAGAAAGACAGAAAAGGTGAATATGGAGCTACAGAAGTGTATTGAG CATGCTACAGGGGTAAGCATATTACACACAAAATGAAATTAACAACCATCAAACCTCCC AACTTTGTAGAAAATTAATCCTTAATGGTGCCGGTTTCAAACATACTGAATTTTACAT TTCTAAAGATGTAAAACTCAACTAATAGAAAATATGCATGACCATTCTGTCTACATAGA TAACAGAATCTATGAATCTTGAACTAAGTACATGAATTTCAAAAAGTATTGGCCATTTA AACAGAATCAACAGTTCGGATTGACAAGAAGTGTCCAAATTAATGGGACCTGTAGATTCT GAGCCATGTTTTTATTAAGTCAGATCTATTCCTAAATACAAAATATATGGAAGATTTAT TAAAACGAATATTACAATGCAAGGTTAATTAGGACTACATGCACATAAACTTTGGTCCC ACCTGGGTGTCAGGTTTAGAAAAGTCCACAACACTGAATCTTCTGCATATTGACGCAG TACACTTTTTTTATCTTTGAAAAACATGCACCGAGTCTGAAGTACTAGACCAGTTTG CACATGCTATAAATACACGACCATATTCCAGACCTTAATACAACTACAGATGGCAAT ATACTCAGATGCCGAAGTCATGCACTTTAAAAAATCTACTAAAAAATTCAGCCACAAC AAGAATTACCTAGGGCTGACTTCATATGAACGTCCACAAGATGGGTACCAAGGTTAGAC CCCCATGGCTTTCCCAAGGCTCAACCTCCCGAATCCTTGGTGGTTCAGAATAAAACCTT GCTTTGTATTGACTAAGGCTCTTACTGATTAGACAGATTGGATATCAAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_021190
Insert Size:	3460 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_021190.1 , NP_067013.1
RefSeq Size:	3054 bp
RefSeq ORF:	1596 bp
Locus ID:	58155
UniProt ID:	Q9UKA9
Cytogenetics:	1p21.3
Domains:	RRM

Gene Summary:

The protein encoded by this gene binds to intronic polypyrimidine clusters in pre-mRNA molecules and is implicated in controlling the assembly of other splicing-regulatory proteins. This protein is very similar to the polypyrimidine tract binding protein (PTB) but most of its isoforms are expressed primarily in the brain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (6, also known as nPTB1) uses two alternate in-frame splice sites in the 3' coding region, compared to variant 1. The encoded isoform (6) is shorter than isoform 1.